**3GPP TSG-SA4 Meeting #129-eS4-241613**

**Electronic Meeting, 19th Aug – 23rd Aug 2024**

|  |
| --- |
| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **26.510** | **CR** | **0008** | **rev** |  | **Current version:** | **18.0.2** |  |
|  |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  | Stage-3 Aspects of Network Slicing  |
|  |  |
| ***Source to WG:*** | Samsung Electronics Co. Ltd. |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** | TEI19, FS\_MS\_NS\_Ph2 |  | ***Date:*** | 2024-08-05 |
|  |  |  |  |  |
| ***Category:*** | C |  | ***Release:*** | Rel-19 |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21. 900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
|  |  |
| ***Reason for change:*** | Clause 8 of TR 26.941 documents conclusions and recommendations after FS\_MS\_NS\_Ph2 study. This contribution implements the stage-3 agreements in the above study  |
|  |  |
| ***Summary of change:*** | Bullet point 2 of clause 8 of TR 26941 (conclusions and recommendations) proposes the following stage-3 change:“2.The changes to the *PolicyTemplate* resource data model definition described in clause 6.1.2.1 be implemented in TS 26.510 [42] to support Policy Template provisioning for a plurality of Network Slices and/or Data Networks..”.Updating the PolicyTemplate resource data model as per above agreement.  |
|  |  |
| ***Consequences if not approved:*** | Feature for network slicing will be incomplete. |
|  |  |
| ***Clauses affected:*** | 8.7.3 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications |  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

\* \* \* \* First change \* \* \* \*

### 8.7.3 Data model

#### 8.7.3.1 PolicyTemplate resource

Table 8.7.3.1-1: Definition of PolicyTemplate resource

| Property | Type | Cardinality | Usage | Description |
| --- | --- | --- | --- | --- |
| policyTemplateId | ResourceId | 1..1 | C: ROR: ROU: RO | Resource identifier of this Policy Template assigned by the Media AF that is unique within the scope of the Provisioning Session. |
| state | string enum | 1..1 | C: ROR: ROU: RO | Current state of this Policy Template (see clause 5.2.7.2) exposed to the 5GMS Application Provider by the Media AF.Only a Policy Template in the READY state may be instantiated as a Dynamic Policy Instance and applied to media streaming sessions. |
| stateReason | Problem‌Details | 1..1 | C: ROR: ROU: RO | Additional details about the current state of this Policy Template exposed to the Media Application Provider by the Media AF.The instance sub-property shall be present and shall indicate the URL of this Policy Template resource at reference point M1.The title sub-property shall be present and shall indicate a human-readable representation of the state property specified above, e.g., "Policy Template ready for use" or "Policy Template invalid".The detail sub-property shall be present and shall indicate a human-readable status/error message.All other properties shall be omitted. |
| externalReference | string | 1..1 | C: RWR: RWU: RW | Additional identifier for this Policy Template, unique within the scope of its Provisioning Session, that may be cross-referenced with external metadata about a media delivery session.Example: "HD\_Premium". |
| application‌Session‌Contexts | array(object) | 0..1 | C: RWR: RWU: RW | A set of application session contexts at reference point M4 to which this Policy Template may be applied.Each object in the array shall specify at least one property. If more than one property is specified, instantiation of the Policy Template is restricted to the conjunction of all the object's properties. |
|  | sliceInfo | Snssai | 0..1 | C: RWR: RWU: RW | A Network Slice on which this Policy Template may be instantiated. (See clause 5.4.4.2 of TS 29.571 [33].) |
|  | dnn | Dnn | 0..1 | C: RWR: RWU: RW | A Data Network on which this Policy Template may be instantiated. (See clause 7.3.2.) |
| qoSSpecifications | array(M1‌QoS‌Specification) | 0..1 | C: RWR: RWU: RW | The network Quality of Service policy envelopes to be applied to the application service component(s) of media delivery sessions that instantiate this Policy Template (see NOTE and clause 7.3.3.4).Each member of the array is identified by a component reference that is unique in this array.If present, the array shall contain at least one object. |
| charging‌Specification | Charging‌Specification | 0..1 | C: RWR: RWU: RW  | The charging policy to be applied to media delivery sessions that instantiate this Policy Template is instantiated (see NOTE and clause 7.3.3.7). |
| bdtPolicyId | BdtReferenceId | 0..1 | C: RWR: ROU: RW | A reference to an existing Background Data Transfer policy in the PCF (see NOTE).Mutually exclusive with bdtSpecification. |
| bdtSpecification | M1‌BDT‌Specification | 0..1 | C: RWR: ROU: RW | The Background Data Transfer policy specification to be associated with media delivery sessions that instantiate this Policy Template (see clause 8.7.3.2).Mutually exclusive with bdtPolicyId property. |
| NOTE: Data type BdtReferenceId is specified in TS 29.122 [20]. |

At least one of the following properties shall be present: qosSpecification, chargingSpecification, bdtPolicyId, bdtSpecification.

\* \* \* \* End changes \* \* \* \*